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(71) Applicant: HITACHI METALS LTD

(72) Inventor: UCHIDA KIMIO
TAKAHASHI MASAHIRO
OZAKI MASAMICHI

(54) PRODUCTION OF RERE EARTH MAGNET

(57) Abstract:

PURPOSE: To enhance the orientation of a rare earth sintered magnet by pressure pouring a mixture of a rare earth sintered magnet material and a mineral oil or a synthesized oil into a metal cavity under a pressure of specified level or above and then conducting wet molding.

CONSTITUTION: A mixture of $R-Co_5$, R_2Co_{17} , or $R-Fe-B$ (R represents one or more than one kind rare earth element including Y) based and a mineral oil and/or a synthesized oil is poured into the cavity of a metal mold under a pressure of $1kg/cm^2$ or above and then it is compacted. It is then subjected to wet molding and

sintering to produce a rare earth magnet. Since the fine powder of rare earth magnet provides high orientation, a rare earth sintered magnet having high magnetic characteristics can be obtained.

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